查询AR371供应商

POSEICO
POSEICO SPA
POwer SEmiconductors Italian COrporation

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RECTIFIER DIODE

AR371

Repetitive voltage up to	**3400 V**
Mean forward current	**920 A**
Surge current	**5.6 kA**

TARGET SPECIFICATION

nov 02 - ISSUE : 02

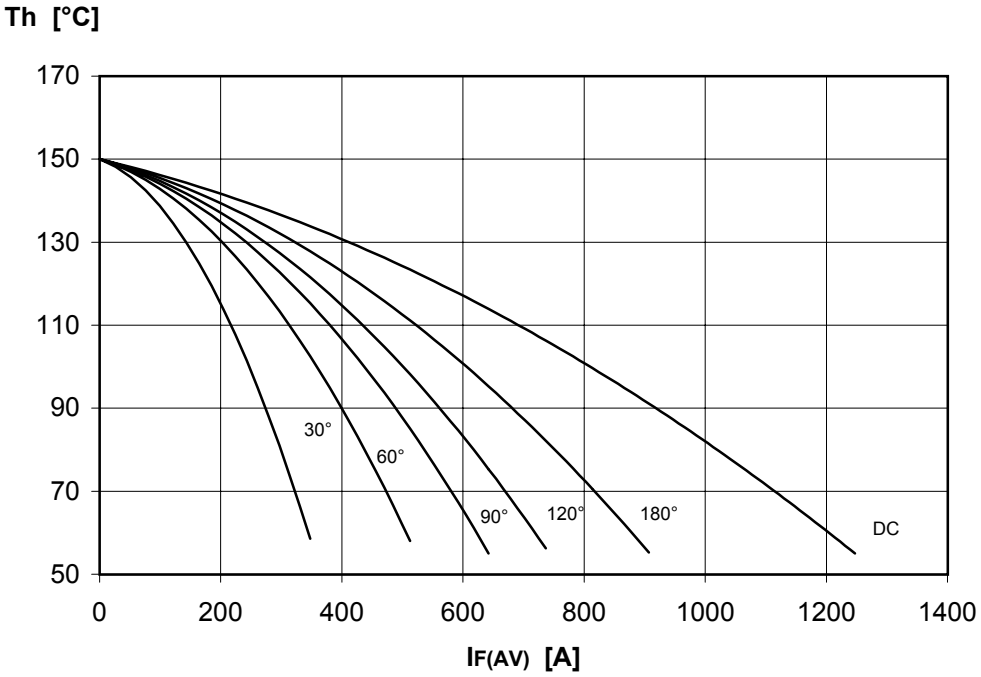
Symbol	Characteristic	Conditions	Tj [°C]	Value	Unit
BLOCKING					
V_{RRM}	Repetitive peak reverse voltage		150	3400	V
V_{RSM}	Non-repetitive peak reverse voltage		150	3500	V
I_{RRM}	Repetitive peak reverse current	V=VRRM	150	50	mA
CONDUCTING					
$I_{F(AV)}$	Mean forward current	180° sin ,50 Hz, Th=55°C, double side cooled		920	A
$I_{F(AV)}$	Mean forward current	180° sin ,50 Hz, Tc=85°C, double side cooled		910	A
I_{FSM}	Surge forward current	Sine wave, 10 ms without reverse voltage	150	5.6	kA
I^2t	I^2t			157 x 1E3	A^2s
V_{FM}	Forward voltage	Forward current =	25		V
$V_{F(TO)}$	Threshold voltage		150	0.70	V
r_F	Forward slope resistance		150	0.660	mohm
SWITCHING					
t_{rr}	Reverse recovery time		150		µs
Q_{rr}	Reverse recovery charge				µC
I_{rr}	Peak reverse recovery current				A
MOUNTING					
$R_{th(j-h)}$	Thermal impedance, DC	Junction to heatsink, double side cooled		50	°C/kW
$R_{th(c-h)}$	Thermal impedance	Case to heatsink, double side cooled		15	°C/kW
T_j	Operating junction temperature			-30 / 150	°C
F	Mounting force			8.0 / 9.0	kN
	Mass			85	g

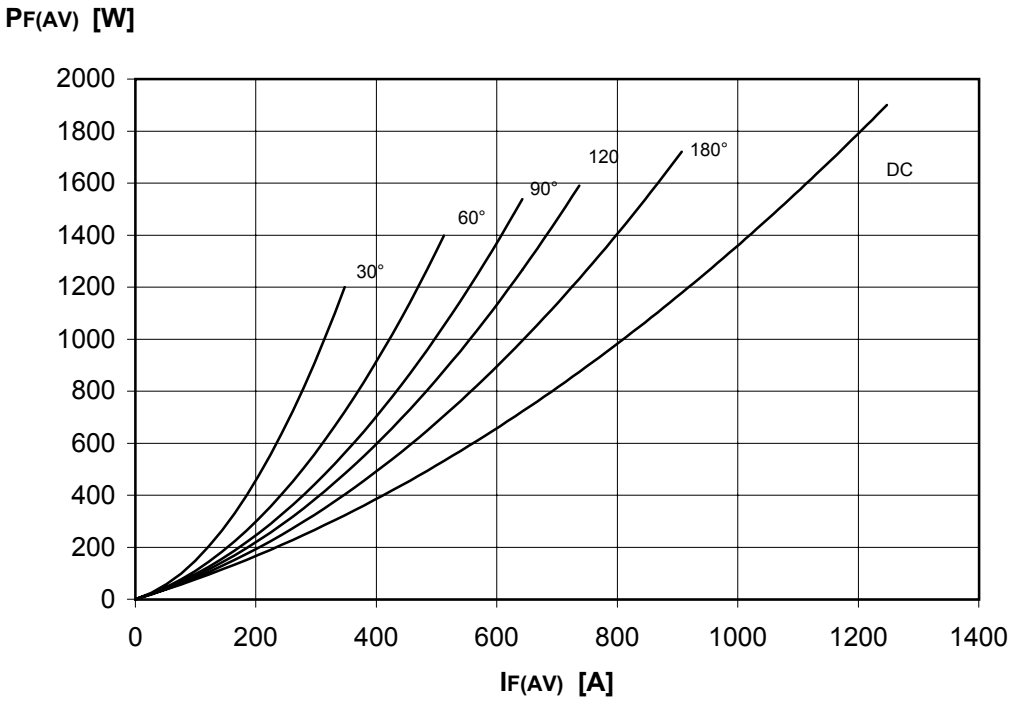
ORDERING INFORMATION : AR371 S 34

standard specification — VRRM/100

DISSIPATION CHARACTERISTICS

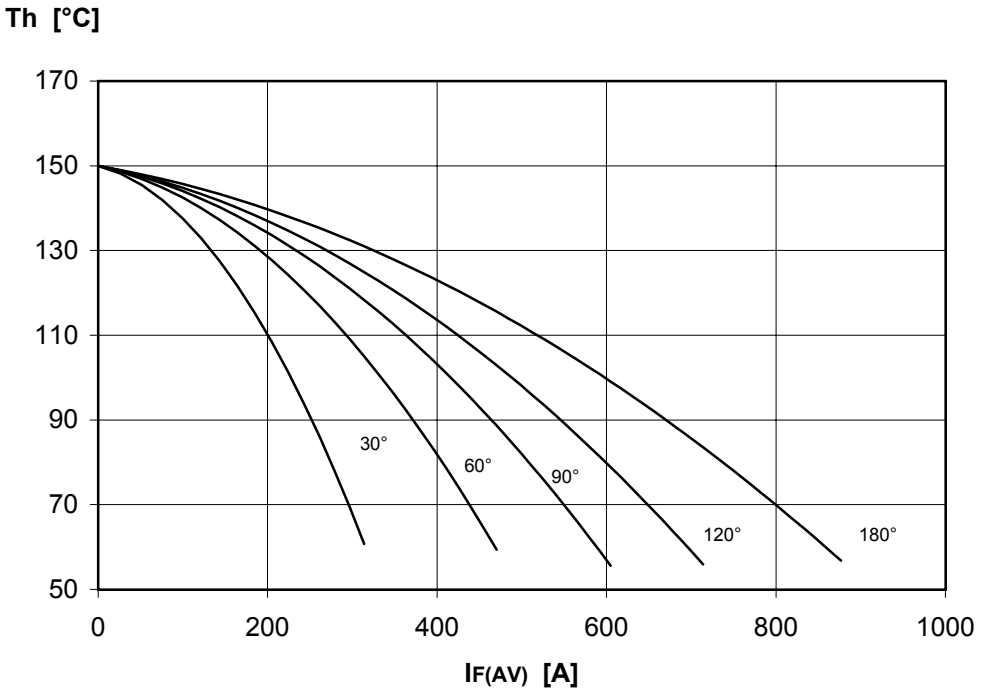
SQUARE WAVE

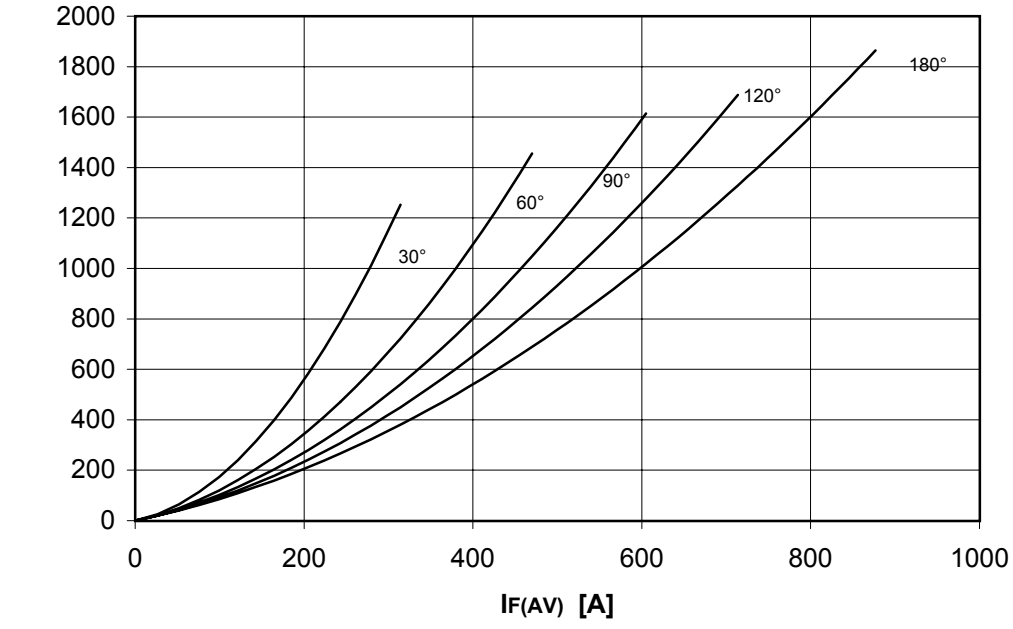




DISSIPATION CHARACTERISTICS

SINE WAVE





AR371 RECTIFIER DIODE

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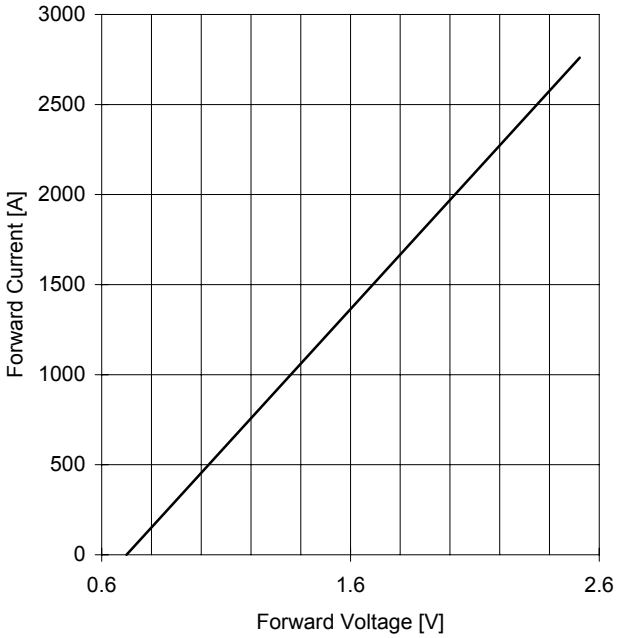
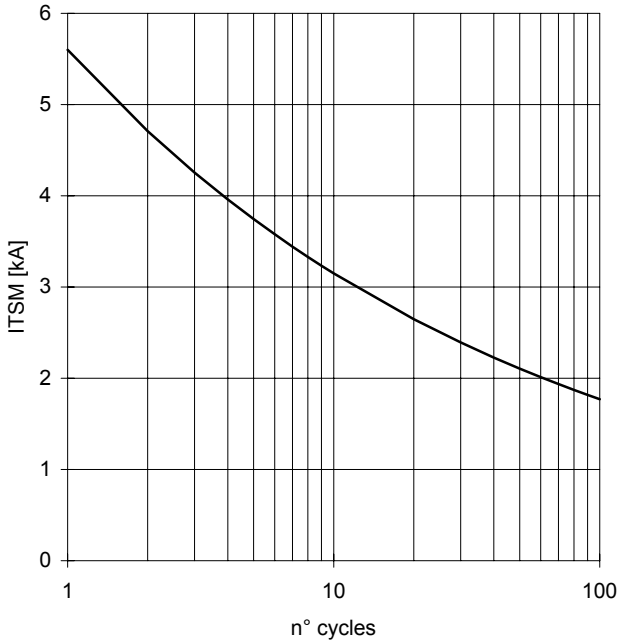
TARGET SPECIFICATION nov 02 - ISSUE : 02

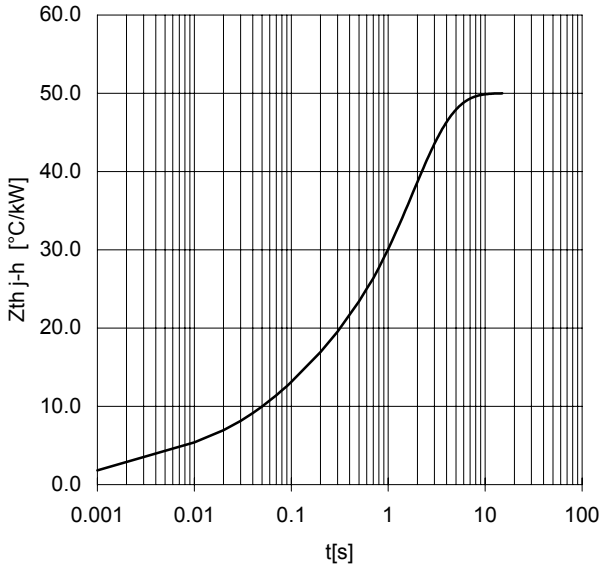
FORWARD CHARACTERISTIC
Tj = 150 °C

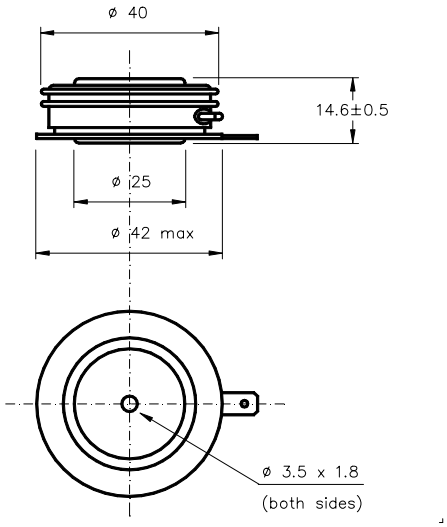


SURGE CHARACTERISTIC
Tj = 150 °C



TRANSIENT THERMAL IMPEDANCE
DOUBLE SIDE COOLED





Dimensions in mm

All the characteristics given in this data sheet are guaranteed only with uniform clamping force, cleaned and lubricated heatsink, surfaces with flatness < .03 mm and roughness < 2 µm.
In the interest of product improvement POSEICO SpA reserves the right to change any data given in this data sheet at any time without previous notice.
If not stated otherwise the maximum value of ratings (simbols over shaded background) and characteristics is reported.

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